

Hoori Ajami

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,225
citations

516710

16
h-index

477307

29
g-index

34
all docs

34
docs citations

34
times ranked

2002
citing authors

#	ARTICLE	IF	CITATIONS
1	Implications of projected climate change for groundwater recharge in the western United States. <i>Journal of Hydrology</i> , 2016, 534, 124-138.	5.4	299
2	Hillslope Hydrology in Global Change Research and Earth System Modeling. <i>Water Resources Research</i> , 2019, 55, 1737-1772.	4.2	281
3	Quantifying mountain block recharge by means of catchment-scale storage-discharge relationships. <i>Water Resources Research</i> , 2011, 47, .	4.2	88
4	Assessing the impact of model spin-up on surface water-groundwater interactions using an integrated hydrologic model. <i>Water Resources Research</i> , 2014, 50, 2636-2656.	4.2	80
5	Developing empirical monthly groundwater recharge equations based on modeling and remote sensing data – Modeling future groundwater recharge to predict potential climate change impacts. <i>Journal of Hydrology</i> , 2017, 546, 1-13.	5.4	49
6	How Might Recharge Change Under Projected Climate Change in the Western U.S.?. <i>Geophysical Research Letters</i> , 2017, 44, 10407-10418.	4.0	38
7	Development of a computationally efficient semi-distributed hydrologic modeling application for soil moisture, lateral flow and runoff simulation. <i>Environmental Modelling and Software</i> , 2016, 85, 319-331.	4.5	32
8	Impact of Uncertainty in Precipitation Forcing Data Sets on the Hydrologic Budget of an Integrated Hydrologic Model in Mountainous Terrain. <i>Water Resources Research</i> , 2020, 56, e2020WR027639.	4.2	31
9	On the non-stationarity of hydrological response in anthropogenically unaffected catchments: an Australian perspective. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 281-294.	4.9	30
10	Seasonalizing Mountain System Recharge in Semi-Arid Basins-Climate Change Impacts. <i>Ground Water</i> , 2012, 50, 585-597.	1.3	26
11	On the information content of surface meteorology for downward atmospheric longwave radiation synthesis. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	24
12	Comparing potential recharge estimates from three Land Surface Models across the western US. <i>Journal of Hydrology</i> , 2017, 545, 410-423.	5.4	22
13	Is Past Variability a Suitable Proxy for Future Change? A Virtual Catchment Experiment. <i>Water Resources Research</i> , 2020, 56, e2019WR026275.	4.2	22
14	Quantifying Streamflow Depletion from Groundwater Pumping: A Practical Review of Past and Emerging Approaches for Water Management. <i>Journal of the American Water Resources Association</i> , 2022, 58, 289-312.	2.4	19
15	Technical Note: Reducing the spin-up time of integrated surface water-groundwater models. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 5169-5179.	4.9	18
16	A Bayesian alternative for multi-objective ecohydrological model specification. <i>Journal of Hydrology</i> , 2018, 556, 25-38.	5.4	18
17	Impacts of model initialization on an integrated surface water-groundwater model. <i>Hydrological Processes</i> , 2015, 29, 3790-3801.	2.6	17
18	Catchment scale simulations of soil moisture dynamics using an equivalent cross-section based hydrological modelling approach. <i>Journal of Hydrology</i> , 2018, 564, 944-966.	5.4	15

#	ARTICLE	IF	CITATIONS
19	From Soils to Streams: Connecting Terrestrial Carbon Transformation, Chemical Weathering, and Solute Export Across Hydrological Regimes. <i>Water Resources Research</i> , 2022, 58, .	4.2	14
20	Litter origins, accumulation rates, and hierarchical composition on urban roadsides of the Inland Empire, California. <i>Environmental Research Letters</i> , 2022, 17, 015007.	5.2	13
21	Multi-objective assessment of three remote sensing vegetation products for streamflow prediction in a conceptual ecohydrological model. <i>Journal of Hydrology</i> , 2016, 543, 686-705.	5.4	12
22	Modelling precipitation uncertainties in a multi-objective Bayesian ecohydrological setting. <i>Advances in Water Resources</i> , 2019, 123, 12-22.	3.8	12
23	An equivalent cross-sectional basis for semidistributed hydrological modeling. <i>Water Resources Research</i> , 2014, 50, 4395-4415.	4.2	10
24	Groundwater recharge assessment in a rural, arid, mid-mountain basin in North-Central Chile. <i>Hydrological Sciences Journal</i> , 2018, 63, 1873-1889.	2.6	10
25	Combined impacts of uncertainty in precipitation and air temperature on simulated mountain system recharge from an integrated hydrologic model. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 1145-1164.	4.9	10
26	Extreme weather events and transmission losses in arid streams. <i>Environmental Research Letters</i> , 0, , .	5.2	9
27	A multi-objective assessment of alternate conceptual ecohydrological models. <i>Journal of Hydrology</i> , 2015, 529, 1221-1234.	5.4	7
28	Ecohydrologic Error Models for Improved Bayesian Inference in Remotely Sensed Catchments. <i>Water Resources Research</i> , 2019, 55, 4533-4549.	4.2	7
29	Geohydrology: Groundwater. , 2021, , 408-415.		6
30	Disaggregating Soil Moisture to Finer Spatial Resolutions: A Comparison of Alternatives. <i>Water Resources Research</i> , 2018, 54, 9456-9483.	4.2	4
31	Using Remotely Sensed Information to Improve Vegetation Parameterization in a Semi-Distributed Hydrological Model (SMART) for Upland Catchments in Australia. <i>Remote Sensing</i> , 2020, 12, 3051.	4.0	1
32	Integrating partitioned evapotranspiration data into hydrologic models: Vegetation parameterization and uncertainty quantification of simulated plant water use. <i>Hydrological Processes</i> , 2022, 36, .	2.6	1